CLAIMS

1. A method for use in a telecommunication network by a data traffic policer (POL) for data traffic policing on a data communication link, said data traffic including data cells which are grouped into frames (F1, F2, F3, ...), said method comprising the step of for each data cell of a frame, upon reception of said data cell, checking a conformance of said data cell according to predefined conformance rules and providing thereby a conformance result of said data cell being any one of conforming and non-conforming, **characterized** in that said method further includes :

- storing said data cell into a buffer (BUFF) and treating said frame as conforming when for each data cell of said frame being stored in said buffer (BUFF) said conformance result is conforming; and

- in the event when said frame being treated as conforming and upon reception of a predefined data cell of said frame, starting transmission of a predefined number of data cells of said frame by said traffic policer (POL).

2. The method according to claim 1 characterized in that said method further includes that in the event when said frame is treated as conforming and upon reception of said predefined data cell which is determined by a last data cell of said frame (EOF), also declaring said frame as conforming when said conformance result of said last data cell is also conforming, and starting transmission of said predefined number of data cells which is a total number of data cells of said frame.

3. The method according to claim 1, characterized in that said predefined conformance rules are any one of cell based conformance rules and frame based conformance rules.

4. A data traffic policer (POL) to be used in a telecommunication network for data traffic policing on a data communication link (L), said data

traffic includes data cells which are grouped into frames (F1, F2, F3, ...), said data traffic policer (POL) comprises a decision means (DEC) being coupled to an input of said data traffic policer (POL) to check for each incoming data cell of a frame (F2) a conformance of said data cell according to predefined conformance rules and to provide thereby a conformance result of said data cell which is any one of conforming and non-conforming, **characterized** in that said data traffic policer (POL) further includes :

- a buffer means (BUFF) being coupled to said decision means (DEC) to store said checked data cell; and
- a status means (STAT) being coupled to said decision means (DEC) to store a conformance status (F/T) of said frame whereby said conformance status of said frame is conforming (F) in the event when for each data cell of said frame being stored in said buffer means said conformance result is conforming (F); and
- a transmitting means (BUFF) to start transmission of a predefined number of data cells of said frame upon reception of a predefined data cell of said frame by said data traffic policer (POL) and in the event when said conforming status of said frame is still conforming (F).

5. The data traffic policer (POL) according to claim 4 characterized in that said status means (STAT) is further adapted to declare said frame as conforming upon reception of said predefined data cell which is determined by a last data cell of said frame and in the event when said conforming status of said frame is still conforming (F) and when said conformance result of said last data cell is also conforming, and said transmitting means is adapted to start transmission of said predefined number of data cells which is determined by a total number of data cells of said frame and.

6. Telecommunication network characterized in that said telecommunication network includes a data traffic policer (POL) according to any one of claim 4 and claim 5.

7. Telecommunication network according to claim 6, characterized in that said telecommunication network supports a guaranteed frame rate service category and that said conformance is checked according to conformance definitions of said guaranteed frame rate service category.